

1635

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/431,546

DATE: 08/01/2001

TIME: 11:39:25

Input Set : A:\US09431546.raw

Output Set: N:\CRF3\08012001\I431546.raw

1 <110> APPLICANT: EVERETT, NICHOLAS P.
2 LI, QUNIGSHUN
3 LAWRENCE, CHRISTOPHER
4 DAVIES, MAELOR H.
5 <120> TITLE OF INVENTION: PEPTIDES WITH ENHANCED STABILITY TO PROTEASE
6 DEGRADATION
7 <130> FILE REFERENCE: INTERLINK 3.0-003
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/431,546
9 <141> CURRENT FILING DATE: 1999-10-29
10 <150> PRIOR APPLICATION NUMBER: 60/106,373
11 <151> PRIOR FILING DATE: 1998-10-30
12 <150> PRIOR APPLICATION NUMBER: 60/106,573
13 <151> PRIOR FILING DATE: 1998-11-02
14 <160> NUMBER OF SEQ ID NOS: 27
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 24
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
23 antimicrobial peptide
24 <400> SEQUENCE: 1
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26 1 5 10 15
27 Phe Val Gly Glu Ile Met Lys Pro
28 20
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31 <211> LENGTH: 13
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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37 <400> SEQUENCE: 2
38 Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
39 1 5 10
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 13
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
47 antimicrobial peptide
48 <400> SEQUENCE: 3
49 Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys
50 1 5 10

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52 <210> SEQ ID NO: 4
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54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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60 Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
61 1 5 10
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 14
65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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70 <400> SEQUENCE: 5
71 Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
72 1 5 10
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 26
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
80 antimicrobial peptide
81 <400> SEQUENCE: 6
82 Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile Gly Gly Gly
83 1 5 10 15
84 Tyr Asp Pro Ala Pro Pro Pro Pro Pro Pro
85 20 25
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 13
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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95 Ile Leu Pro Phe Lys Phe Pro Phe Phe Pro Arg Arg
96 1 5 10
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100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104 antimicrobial peptide

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105 <400> SEQUENCE: 8
106 Ile Leu Lys Gly Phe Pro Gly Phe Pro Arg Arg Lys
107 1 5 10
109 <210> SEQ ID NO: 9
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111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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116 <400> SEQUENCE: 9
117 Leu Ala Lys Leu Ala Val Lys Ala Ile Lys Gly Ala Ile Ala Gly Ala
118 1 5 10 15
119 Lys Ser Ala Met Gly
120 20
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123 <211> LENGTH: 31
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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129 <400> SEQUENCE: 10
130 Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys
131 1 5 10 15
132 Lys Ala Ser Asn Glu Leu Lys Lys Ala Thr Lys Ser Leu Trp Ser
133 20 25 30
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 37
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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142 <400> SEQUENCE: 11
143 Lys Ala Ile Gln Thr Ala Gln Gly Val Val Ala Val Ala Pro Gly Ala
144 1 5 10 15
145 Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys
146 20 25 30
147 Phe Leu Lys Trp Lys
148 35
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156 antimicrobial peptide
157 <400> SEQUENCE: 12

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Input Set : A:\US09431546.raw
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158 Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser
159 1 5 10 15
160 Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly
161 20 25
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164 <211> LENGTH: 23
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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170 <400> SEQUENCE: 13
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172 1 5 10 15
173 Val Gly Glu Ile Met Asn Ser
174 20
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 13
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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183 <400> SEQUENCE: 14
184 Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
185 1 5 10
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 39
189 <212> TYPE: DNA
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191 <220> FEATURE:
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193 Oligonucleotide
194 <400> SEQUENCE: 15
195 aggagatggc cttgggtggcc ttggaaatgg cctcttatt 39
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 33
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence:
203 Oligonucleotide
204 <400> SEQUENCE: 16
205 ccagtctcta gaaccatgag gagatggcct tgg 33
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 53
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:

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212 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
213 <400> SEQUENCE: 17
214 gactggagct cttaaataag aggccatttc caaggccacc aaggccatct cct 53
216 <210> SEQ ID NO: 18
217 <211> LENGTH: 32
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
222 <400> SEQUENCE: 18 32
223 agctgggaat tcttaggagat ggccttggtg gc
225 <210> SEQ ID NO: 19
226 <211> LENGTH: 54
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence:
231 Oligonucleotide
232 <400> SEQUENCE: 19 54
233 atggactcta gattaaataa gaggccattt ccaaggccac caaggccatc tcct
235 <210> SEQ ID NO: 20
236 <211> LENGTH: 19
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
241 antimicrobial peptide
242 <400> SEQUENCE: 20
243 Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu
244 1 5 10 15
245 Leu His Ser
247 <210> SEQ ID NO: 21
248 <211> LENGTH: 88
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:
253 Oligonucleotide
254 <400> SEQUENCE: 21 60
255 agcactgaat tctcttccac aaccagaggc ttctgtat gaagggtttg atgaaagaga
256 gtcattcttccatcaggatggc cttgggtgg 88
258 <210> SEQ ID NO: 22
259 <211> LENGTH: 29
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence:
264 Oligonucleotide
265 <400> SEQUENCE: 22

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/431,546

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L:8 M:270 C: Current Application Number differs, Replaced Current Application Number